

Appl. No. 10/604,854

Amdt. dated October 11, 2005

Reply to Office action of July 26, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 5 1 (currently amended): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display panel, wherein the optical sheet comprises at least a diffuser sheet and a prism sheet;

- 10 a top frame for accommodating and fixing the upper module;
a bottom frame positioned below the upper module and fixed to the top frame;
a plurality of lamps positioned within the bottom frame; and
a plurality of fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;
- 15 wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

2 (cancelled)

- 20 3 (original): The backlight unit of claim 1 wherein the bottom frame comprises a reflecting sheet surrounding the lamps.

4 (original): The backlight unit of claim 1 further comprising a plurality of buffer sheets positioned on portions of surfaces contacting with the lamps.

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5 (cancelled).

Appl. No. 10/604,854

Amdt. dated October 11, 2005

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6 (previously presented): The backlight unit of claim 1 wherein the top frame comprises a plurality of fixing elements for fixing the optical sheet and the diffusion plate to the backside of the display panel.

5 7 (cancelled).

8 (previously presented): The backlight unit of claim 1 wherein the fixing elements comprise screws.

10 9 (original): The backlight unit of claim 1 wherein the lamps comprise cold cathode fluorescent lamps.

10 (original): The backlight unit of claim 1 wherein the lamps comprise external electrode fluorescent lamps.

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11 (original): The backlight unit of claim 10 wherein a conductive clip is positioned at an external electrode of the external electrode fluorescent lamps to simplify procedures of changing the lamps.

20 12 (new): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display panel;

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a top frame for accommodating and fixing the upper module;

a bottom frame positioned below the upper module and fixed to the top frame;

a plurality of lamps positioned within the bottom frame;

a plurality of buffer sheets positioned on portions of surfaces contacting with the

Appl. No. 10/604,854

Amdt. dated October 11, 2005

Reply to Office action of July 26, 2005

lamps; and

a plurality of fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

5 wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

13 (new): The backlight unit of claim 12 wherein the optical sheet comprises at least a diffuser sheet and a prism sheet.

10 14 (new): The backlight unit of claim 12 wherein the bottom frame comprises a reflecting sheet surrounding the lamps.

15 15 (new): The backlight unit of claim 12 wherein the top frame comprises a plurality of fixing elements for fixing the optical sheet and the diffusion plate to the backside of the display panel.

16 (new): The backlight unit of claim 12 wherein the fixing elements comprise screws.

20 17 (new): The backlight unit of claim 12 wherein the lamps comprise cold cathode fluorescent lamps.

18 (new): The backlight unit of claim 12 wherein the lamps comprise external electrode fluorescent lamps.

25 19 (new): The backlight unit of claim 18 wherein a conductive clip is positioned at an external electrode of the external electrode fluorescent lamps to simplify procedures of changing the lamps..

Appl. No. 10/604,854

Amdt. dated October 11, 2005

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20 (new): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display

5 panel;

a top frame for accommodating and fixing the upper module, wherein the top frame comprises a plurality of first fixing elements for fixing the optical sheet and the diffusion plate to the backside of the display panel;

a bottom frame positioned below the upper module and fixed to the top frame;

10 a plurality of lamps positioned within the bottom frame; and

a plurality of second fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

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21 (new): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display

20 panel;

a top frame for accommodating and fixing the upper module;

a bottom frame positioned below the upper module and fixed to the top frame;

a plurality of lamps positioned within the bottom frame; and

25 a plurality of screws positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

Appl. No. 10/604,854

Amdt. dated October 11, 2005

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22 (new): A backlight unit for changing lamps therein conveniently, the backlight unit comprising:

at least an optical sheet and a diffusion plate fixed to a backside of a display panel, the optical sheet and the diffusion plate forming an upper module with the display

5 panel;

a top frame for accommodating and fixing the upper module;

a bottom frame positioned below the upper module and fixed to the top frame;

a plurality of external electrode fluorescent lamps positioned within the bottom frame, wherein a conductive clip is positioned at an external electrode of the external
10 electrode fluorescent lamps to simplify procedures of changing the lamps; and

a plurality of fixing elements positioned on the top frame and the bottom frame for detachable connection of the bottom frame to the top frame;

wherein the backlight unit is capable of changing the lamps within the bottom frame after removal of the upper module above the bottom frame.

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